Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	10/25/2017 09:59 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124606	-1	2.21	124516	2.22
Blue	F	SSC	125000	124247	-1	3.48	124643	3.38
Blue	E	FITC	23615	22823	-4	3.07	1015	10.84
Blue	D	PE	26739	26244	-2	2.82	940	10.02
Blue	B	PerCP-Cy5-5	48339	47182	-3	3.96	1354	17.55
Blue	A	PE-Cy7	45021	44571	-1	5.58	689	37.07
Red	C	APC	53064	51278	-4	3.00	2960	9.83
Red	A	APC-Cy7	57175	55846	-3	3.15	1155	11.84
Violet	B	V450	14728	14082	-5	5.74	678	10.17
Violet	A	V500	58621	57186	-3	5.64	2536	7.90

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19617	3.04	612	-2	N/A	N/A	Pass
Blue	F	SSC	60941	2.54	549	3	N/A	N/A	Pass
Blue	E	FITC	113	41.37	550	2	0.0193	215	Pass
Blue	D	PE	205	30.61	540	4	0.1722	322	Pass
Blue	B	PerCP-Cy5-5	209	47.86	638	3	0.0095	135	Pass
Blue	A	PE-Cy7	72	129.39	697	4	0.0110	20	Pass
Red	C	APC	344	29.15	603	6	0.0189	93	Pass
Red	A	APC-Cy7	126	42.56	587	7	0.0049	1533	Pass
Violet	B	V450	81	44.64	470	0	0.0424	1980	Pass
Violet	A	V500	184	25.42	498	1	0.0127	672	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.47	-31.24	0.88
Blue	20.35	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.33
Red	16.31	13.27 - 19.91	N/A	N/A	31.51	31.83	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9917

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments